

T1/E1/J1 Media Converter

IE-iMcV-T1/E1/J1 LineTerm



PRODUCT FEATURES

- Operates at (T1/J1 1.544 Mbps) and (E1 2.048 Mbps)
- Conduct Loopback tests, monitor/manage units via GUI-based iView2
- Remote unit supports secure, out-of-band management
- Available for multi-mode, single-mode, or single-strand fiber
- Layer 1 modules
- Supports fiber and copper remote loopback control
- Transmit Data Source diagnostic tool sends data as unframed all ones, a pattern of alternating ones and zeros, or a Pseudorandom Bit Sequence (PRBS). A built-in PRBS signal detector makes testing even easier.
- LED display for monitoring of line diagnostics

SNMP-manageable, the iMcV-T1/E1/J1 converter series of modules extend 1.544 Mbps T1/J1 and 2.048 Mbps E1 copper-based PBX, router and switch circuits over regular duplex fiber or single-strand fiber optics. Supporting fiber distances of up to 80 km, the iMcV-T1/E1/J1 series of converters include built-in jitter removal, line integrity testing, diagnostic tools (Loopback mode and Transmit Data Source) and remote management features.

Select from the iMcV-T1/E1/J1, offering standard repeater-like functionality, or the IE-iMcV-T1/E1/J1-LineTerm which incorporates advanced features such as Line Terminating functionality and config control, support for both Alarm Indication Signals (AIS) and Remote Alarm Indications (RAI).

Both versions are installed as a HOST-REMOTE pair and can be remotely managed when the HOST is installed in an iMediaChassis with an SNMP-Management Module. This enables network managers to conduct loopback testing, to monitor, and to manage units located up to 80 km away.



iView: Windows 2000/XP/Vista/Win7

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-iMcV-T1/E1/J1-LineTerm, With Config Control TP/SFP *					
850-18100	SFP	1	Various	1	RJ48
IE-iMcV-T1/E1/J1 Line Terminating with Config Control					
850-18101	MM850-ST	1	2 km	1	RJ48
850-18102	MM850-SC	1	2 km	1	RJ48
850-18103	MM1300-ST	1	5 km	1	RJ48
850-18104	MM1300-SC	1	5 km	1	RJ48
850-18105	SM1310/PLUS-ST	1	40 km	1	RJ48
850-18106	SM1310/PLUS-SC	1	40 km	1	RJ48
* 850-18107	SM1310/LONG-ST	1	80 km	1	RJ48
* 850-18108	SM1310/LONG-SC	1	80 km	1	RJ48
850-18111	SM1550/LONG-ST	1	80 km	1	RJ48
SINGLE STRAND FIBER **					
850-18120	MM1310-SC (1310xmt/1550rcv)	1	2 km	1	RJ48
850-18121	MM1550-SC (1550xmt/1310rcv)	1	2 km	1	RJ48
850-18122	SM1310-SC (1310xmt/1550rcv)	1	20 km	1	RJ48
850-18123	SM1550-SC (1550xmt/1310rcv)	1	20 km	1	RJ48
850-18124	SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ48
850-18125	SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ48
850-18126	SM1310/LONG-SC (1310xmt/1550rcv)	1	60 km	1	RJ48
850-18127	SM1550/LONG-SC (1550xmt/1310rcv)	1	60 km	1	RJ48

* Certified at 40 km, 80 km is achievable

** These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

iMcV-T1/E1/J1 also available in CWDM Fiber.
Call for details.

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SPECIFICATIONS

TECHNICAL

Protocol-Selectable — Operates at T1/J1 (1.544 Mbps) and E1 (2.048 Mbps) protocols
 Supports Alarm Indication Signals (AIS)
 Internal Test Head Function (PRBS, 1/0, All 1's)
 Ability to manage remote unit from host end
 Supports fiber and copper Loopback
 Selectable line buildout (0 - 655 ft.)
 Includes DTE/DCE switch on converter
 Installs in any iMediaChassis or MediaChassis chassis*
 Supports GUI-Based iView²
 CSU Line Gain (7.5, 15, 22.5 db)
 Monitor Boost (20, 26, 32 db)
 Supports secondary line protection
 50/125µm or 62.5/125µm multi-mode fiber
 9/125µm single-mode fiber
 Available for single-strand fiber
 Connectors: RJ-48 and ST, SC

STANDARDS COMPLIANCE:

ANSI T1.102-1993
 ANSI T1.107-1995
 GR-820-CORE

MECHANICAL

Dimensions 4.19"H x 0.78"W x 2.75"D
 (10.74 x 2 x 7.05 cm)
 Shipping Weight 0.30 lbs (0.11 kg)

POWER

0.55A @ 5V (Typical)

ENVIRONMENTAL

Operating Temperature: +32° to +122° F (0° to +50° C)
 Storage Temperature: -13° to +158° F (-25° to +70° C)
 Operating Humidity 5% to 95% (non-condensing),
 0 - 10,000 ft. altitude

REGULATORY APPROVALS

FCC Class A
 UL/cUL
 CSA
 CE

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

